

# Underflow

## High Intensity – Rare Earth

Datasheet No. 509



The Eclipse Magnetics high intensity Underflow Magnet has been designed to operate in arduous conditions and where contamination size is relatively large e.g. nuts, bolts etc.

The unit incorporates two magnetic poles which generate high intensity magnetic fields. The unit is secured to the chute by a hinge and toggle clamp arrangement. The toggle clamps ensure even pressure is generated around the seal to prevent any product leakage.

The Underflow Magnet can be incorporated into any form of angled pipe or chute section. A common installation location is raw material inlet points for products such as grain, rice, corn, bran and animal feed etc. Two catchment areas ensure that attracted contamination cannot be 'washed off'.

As the magnet is usually installed in angled chute sections, any processed products of any size can be passed over the top of the magnet. Safety interlocks can be fitted to the magnet to stop the process should it be accidentally opened.

### Cleaning

Underflow magnets are very easy to clean. Simply release the two securing toggle clamps and allow the magnet to swing away under its own weight, this will give access to the magnetic face.

All attracted contamination can now be removed by a gloved hand or scraper tool.

### Suitable Products

Dry and semi dry powders, granulates and lumps etc.

### Suitable Locations

All angled chute sections.

### Benefits

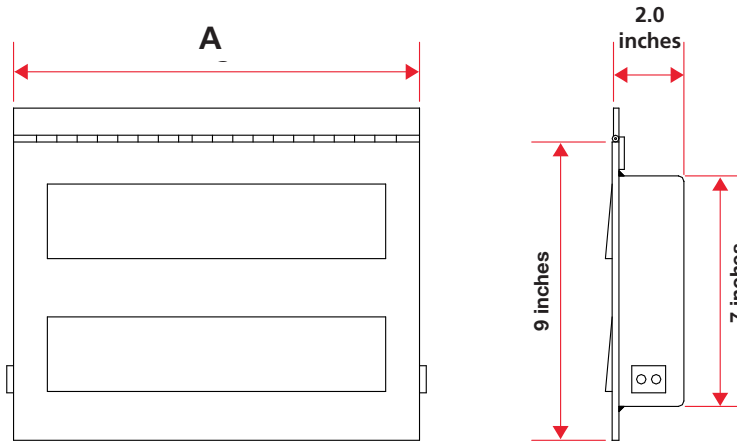
- Easy to clean
- Maintains full flow
- High collection capacity
- Reduces 'spark' risk
- Removes 'tramp' sized contaminants
- Meet audit requirements
- Rare earth deep magnetic field

### Category

Primary protection - tramp.



# Technical Data



## Product Information

Part Number	A inches	Weight kg	Weight lb
UFM200	8	10	22
UFM250	10	13	29
UFM300	12	15	33
UFM350	14	17	37
UFM400	16	20	44
UFM450	18	23	50.7
UFM500	20	27	60

## Performance

### Magnetic performance

3,500 Gauss

### Performance reading

On magnetic front face surface

### Magnetic material

Rare earth neodymium iron boron

### Magnet grade

N35 – Inspected and confirmed via hystero-graph prior to use

### Temperature

-4°F / +194°F

## Materials

### Housing

304 grade stainless steel

### Other parts

304 grade stainless steel

### Surface finish

Brushed finish

### Hinge

304 grade stainless steel

### Toggle clamps

Zinc plated mild steel

## Options

- High temperature samarium cobalt magnetic material, +482°F
- Sizes up to 79 inches long
- 304 grade stainless steel
- ATEX certified
- Rare Earth magnetic material
- Pharmaceutical specification
- Stainless steel toggle clamps

If you have any more questions, require technical assistance or would like a quotation, please contact us.

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